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## Dual Electrooptic Waveguide Interferometer

### *Abstract*

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A dual electrooptic interferometer and method for operation thereof. In a preferred embodiment, the interferometer includes first and second electro-optically active optical waveguides; a first electrode substantially parallel to the first waveguide in a traveling wave modulator configuration; a second electrode  
10 substantially parallel to the second waveguide in a traveling wave modulator configuration; and a photo detector array optically coupled to the outputs of the waveguides.

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